

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051839

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02B6/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 154 306 A (NITTO DENKO CORPORATION) 14 November 2001 (2001-11-14)	1,2,13, 15-17
Y	abstract; figures 4,5	3
Y	EP 0 879 991 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD) 25 November 1998 (1998-11-25)	3
X	abstract; figures 1-35	1,2, 13-17
X	US 6 049 649 A (ARAI ET AL) 11 April 2000 (2000-04-11) figures 13,19	1-20

☐ Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents:

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

28 January 2005

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Verbandt, Y

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1154306	A	14-11-2001	JP	2001318379 A	16-11-2001
			EP	1154306 A1	14-11-2001
			US	2002005922 A1	17-01-2002
EP 0879991	A	25-11-1998	JP	10311915 A	24-11-1998
			JP	11064641 A	05-03-1999
			JP	11242220 A	07-09-1999
			EP	0879991 A2	25-11-1998
			US	2001019479 A1	06-09-2001
US 6049649	A	11-04-2000	JP	9265092 A	07-10-1997

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